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## PATENT APPLICATION

## THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

JAHNS et al.

Serial No.: 10/658,984

Filed: September 10, 2003

Confirmation No.: 3965

Atty. File No.: 44500-00342

For: "INDUSTRIAL PROCESS FAULT DETECTION USING PRINCIPAL COMPONENT ANALYSIS"

Commissioner for Patents P.O. Box 1450

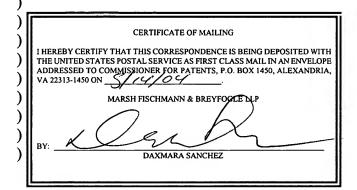
Alexandria, VA 22313-1450

Dear Sir:

Group Art Unit: 2857

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT** 



Pursuant to Applicant's duty of disclosure under 37 CFR § 1.56 and 37 CFR §§ 1.97-1.98, Applicant hereby submits the enclosed PTO Form 1449, although Applicant does not admit that any of such documents, alone or in any combination, is considered to be material to patentability as defined in 37 CFR § 1.56(b). Moreover, the inclusion of these documents is not to be construed as an admission by Applicant that each such document is prior art as to the above-identified application. Pursuant to the Official Gazette Notice of August 5, 2003, copies of any U.S. Patents or published U.S. Patent Applications are not being submitted herewith. Copies of any foreign patent and non-patent documents are submitted herewith.

Attorney Docket No.: 44500-00342

Date: May 14, 2004

## PATENT APPLICATION

Respectfully submitted,

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SERIAL NO. ATTY DOCKET NO. 44500-00342 10/658,984 INFORMATION DISCLOSURE CITATION Jahns et al. FILING **GROUP** MAY 1 8 2004 September 10, 2003 2857 **U.S. PATENT DOCUMENTS** \*EXAMINER FILING DATE DOCUME DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE 438 9 5,658,423 08/19/97 ANGELL ET AL. 5,864,773 702 85 01/26/99 BARNA ET AL. 11/28/00 LE ET AL. 216 60 6,153,115 723 6,192,826 02/27/01 SMITH, JR. ET AL. 118 6,419,846 07/16/02 TOPRAC ET AL. 216 60 08/27/02 BUNKOFSKE ET AL. 700 108 6,442,445 6,521,080 02/18/03 BALASUBRAMHANYA 156 345.24 2002/0104832 08/08/02 TANAKA ET AL. 219 121.41 707 2002/0119668 08/29/02 BELL 438 10. 2003/0055523 03/20/03 BUNKOFSKE ET AL. 700 108 **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Infineon Technologies, "USING MULTI WAY PCA (MPCA) FOR ADVANCED MONITORING AND DIAGNOSIS FOR PLASMA PROCESSING BASED ON OPTICAL EMISSION SPECTROSCOPY" by Zimpel et al., SEMATECH AEC/APC Symposium XII, (Sept. 24-28, 2000) Infineon Technologies, "SUPERVISION OF PLASMA PROCESSES USING MULTI-WAY PRINCIPAL COMPONENT ANALYSIS" by Knobloch et al, IVC-15 Int'l Symposium. (Oct. 02-06, 2000) lB. **DATE CONSIDERED EXAMINER** \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-A820 (also form PTO-1449)

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)						44500-00342 SERIAL NO. SERIAL NO. 10/658,984					
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